

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/052204

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: H04Q 7/22, H04L 12/18**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: H04Q, H04L, H04M, H04H**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20030174678 A1 (JON-WEON CHANG ET AL), 18 Sept 2003 (18.09.2003), figure 8, [0028]  --	1,3,6,10,12, 15
A	US 20020142757 A1 (NIKOLAI K.N. LEUNG ET AL), 3 October 2002 (03.10.2002), abstract  --	1-30
PA	EP 1359774 A1 (SAMSUNG ELECTRONICS CO., LTD.), 5 November 2003 (05.11.2003), [0020]  --	1-30
PA	EP 1420551 A2 (SAMSUNG ELECTRONICS CO. LTD.), 19 May 2004 (19.05.2004), [0008]-[0009]; [0011]  -----	1-30

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

03-03-2005

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

30/01/2005

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